



SUS-K SERIES

PORUTE stainless TECHNOLOGY [SASUKE SERIES]

FIELD TRANSFORMATION



Patented and
Patent-Pending

**World's
First**



SUS-K SERIES

ABOUT SUS-K

This protective suit is made with stainless steel and developed to prevent fatal injuries caused by accidental discharge of ultra-high-pressure water jets.

It offers the highest level of protection while maintaining a lightweight and flexible design.

Leveraging our advanced glove manufacturing technology, we proudly introduce the "SUS-K (Sasuke)" series — protective wear reinforced with embedded stainless steel.



Gap-Free Protection During Bending

Overlapping stainless steel plates are designed to cover any potential gaps, ensuring consistent protection. This innovative mechanism is part of our patented technology.



Normal Position



Bent Position



Lightweight and Excellent Mobility

The scale-like stainless steel structure allows smooth movement even when the body bends, ensuring excellent mobility without compromising work performance.

Available in sizes tailored to fit the Japanese body shape.



Patented Technology

World's First: Powerful Protection Against Water Pressure of up to 2000 Bar with SUS304 Stainless Steel Plates

Using 0.1 mm thick SUS304 stainless steel, this product provides protection against dangerous ultra-high-pressure water jets at an industrial level.

Water Pressure Resistance Test

Stainless Steel Plate Thickness	Pressure [bar]	Flow Rate [L/min]	Nozzle Diameter	Number of Nozzles	Revolutions Per Minute	Nozzle Distance [mm]	Moving Speed [m/SEC]
t=0.1	2070	19.03	φ0.939 (#37)	1	0	75	0.5
		17.38	φ0.625 (#25)	2	220		

Water Pressure Test Result : No Penetration

*A total of six tests were conducted, all of which showed no penetration.

*Please use this product with full understanding of the above test results.

*This product is designed to enhance safety during water jet operations; however, it does not guarantee complete protection against all accidents.

SUS-K SERIES Size Chart

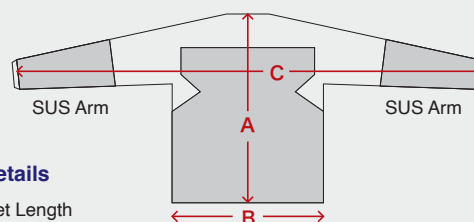
SIZE	L	2L	3L	4L
HEIGHT	165-175	170-180	175-185	180-
CHEST	120	130	140	150
WAIST	116	120	132	138

● Jacket Size

SIZE	L	2L	3L	4L
LENGTH-A	70	72	75	77
CHEST-B	120	130	140	150
SLEEVE LENGTH-C	150	155	160	165

● Salopette Size

SIZE	L	2L	3L	4L
TOTAL LENGTH-A	115	120	125	130
WAIST-B	116	120	126	132
INSEAM-C	60	64	68	72
THIGH-D	39	40	41	42

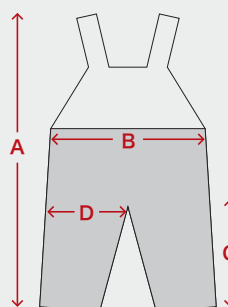


● Jacket Details

A Size: Jacket Length

B Size: Chest Circumference

C Size: Arm span: cuff to cuff (arms outstretched)



● Salopette Details

A Size: Length
From neck to bottom hem

B Size: Chest Circumference

C Size: Inseam

D Size: Thigh Circumference

Regarding Product Size

- These are the finished dimensions of the product.
The finished dimensions refer to the actual measurements of the completed item.
- Gray areas indicate sections where stainless steel is embedded.
- Stainless steel is also embedded in the jacket's sleeve area.
This is the standard "SUS Arm".



SUS-K-GLOVE

SUS-K Glove

This is the world's first protective safety glove equipped with 30 stainless steel (SUS304) components on the back of each hand, providing protection even against ultra-high-pressure water jets.

Size/free size
Aramid inner (500 g per pair)
Model number
7801



SUS-K-JACKET

SUS-K Jacket

Stainless steel plates are embedded in the front chest and arms, with an optional neck guard available for added protection.

Size/L (1.6 kg)/2L (1.7 kg)
3L (1.9 kg)/4L (2.0 kg)
*Image shown: Neck Guard Type A
Model number
L 7803
2L 7815
3L 7817
4L 7819

Neck Guard



TYPE B



Type Without Neck Protection



With SUS Arm (Standard)

Stainless steel is embedded from the wrist to the forearm (20 cm).



SUS-K-BOOTS

SUS-K Boots

This product features stainless steel reinforcement extending from the sides to the back. It is compatible with various boot sizes thanks to Velcro fasteners, and the replaceable sole strap ensures long-term usability.

Size/free size
Height: 270 mm
Aramid inner (1.0 kg per pair)



SUS-K-NAGAGUTSU

SUS-K Long Boots

These are the world's first water pressure-resistant and puncture-resistant boots, featuring 132 thin stainless steel plates seamlessly embedded throughout. The finely arranged plates allow for smooth movement, including flexible bending at the heels.

Size/M (26-27 cm)
L (27-28 cm)
Model number
M 7867-1
L 7868-1



SUS-K RAYS

SUS-K Boots Inner

These are the world's first protective inner boots with 132 thin stainless steel plates embedded throughout the foot. The seamless design ensures both safety and flexibility.

Size/S (24-25 cm)
M (25-26 cm)/L (26-27 cm)
2L (27-28 cm)
Model number
S 8100
M 8101
L 8102
2L 8103



SUS-K-SALOPETTE

SUS-K Salopette

Stainless steel plates are embedded from the waist down along the front of the legs, allowing for smooth knee movement. The knee area is internally reinforced with aramid Kevlar and equipped with shock-absorbing pads.

Size

L (2.2 kg)/2L (2.4 kg)/3L (2.7 kg)/4L (2.9 kg)

Model number

L 7807
2L 7821
3L 7851
4L 7854



SUS-K-APLON

SUS-K Apron

The shoulder straps are made wider to reduce shoulder strain during long hours of work.

Size/Normal 740 (Length: 74 cm Weight: 1.3 kg)

Medium 960 (Length: 96 cm Weight: 1.5 kg)

Long 1100 (Length: 110 cm Weight: 1.8 kg)

Width: 53 cm (Common to all sizes)

Model number

740 7809
960 7835
1100 7811



SUS-K-TEKKO

SUS-K Hand Guard

Thin stainless steel plates are embedded on the back of the hand, helping to reduce pain caused by flying concrete debris.

Size/free size

Model number
7845



IGX-2

INSULIN GUARD X-2

This inner glove is designed to protect the palm, using ultra-thin stainless steel plates and cut-resistant materials. It enhances safety and improves work efficiency during flexible tube cleaning of heat exchangers.

Model number

M 8038
L 8037
2L 8039



SUS-K INNER-NECKGUARD

SUS-K Inner Neck Guard

This is the world's first neck guard featuring stainless steel plates around the neck area. It provides protection not only against high-pressure water but also against flying grinder blades during grinding operations.

*Image shown: Type A

Model number
7866-1



TYPE B Inner Neck Guard



SUS-K BAG

SUS-K Bag

The SUS-K series carry bag fits the SUS-K jacket and overalls.

Size/60×40×22 cm

Model number
7859-1

SUS-K SERIES

PORUTE stainless TECHNOLOGY

Please strictly follow these Safety Precautions.

Our company and the retailer are not liable for any accidents or injuries caused by failure to follow these precautions.

This product has been evaluated as safe based on in-house testing; however, absolute safety is not guaranteed. Under no circumstances should dangerous actions, such as intentionally performing hazardous tasks, be carried out. The protective gear is constructed with a complex multi-layer design and sewn accordingly. Do not attempt to disassemble it. Its effectiveness may decrease if subjected to severe or frequent impacts. We recommend replacing the product periodically.

Depending on individual sensitivities, itching, rash, or skin irritation may occur. If any abnormalities appear on your body (at the area where the product is worn) during use, stop work immediately and consult a physician. Do not use this product when there is a risk of your hands being caught in rotating machinery.

This is not an insulating glove. Do not use it for live electrical work.

PORUTE www.sus-k.jp

1072-7 Kikai, Higashikagawa-shi, Kagawa 769-2704, Japan / TEL 0879-25-7800 / FAX 0879-25-7801 / Mail info@porute.com

